

FIG. 1

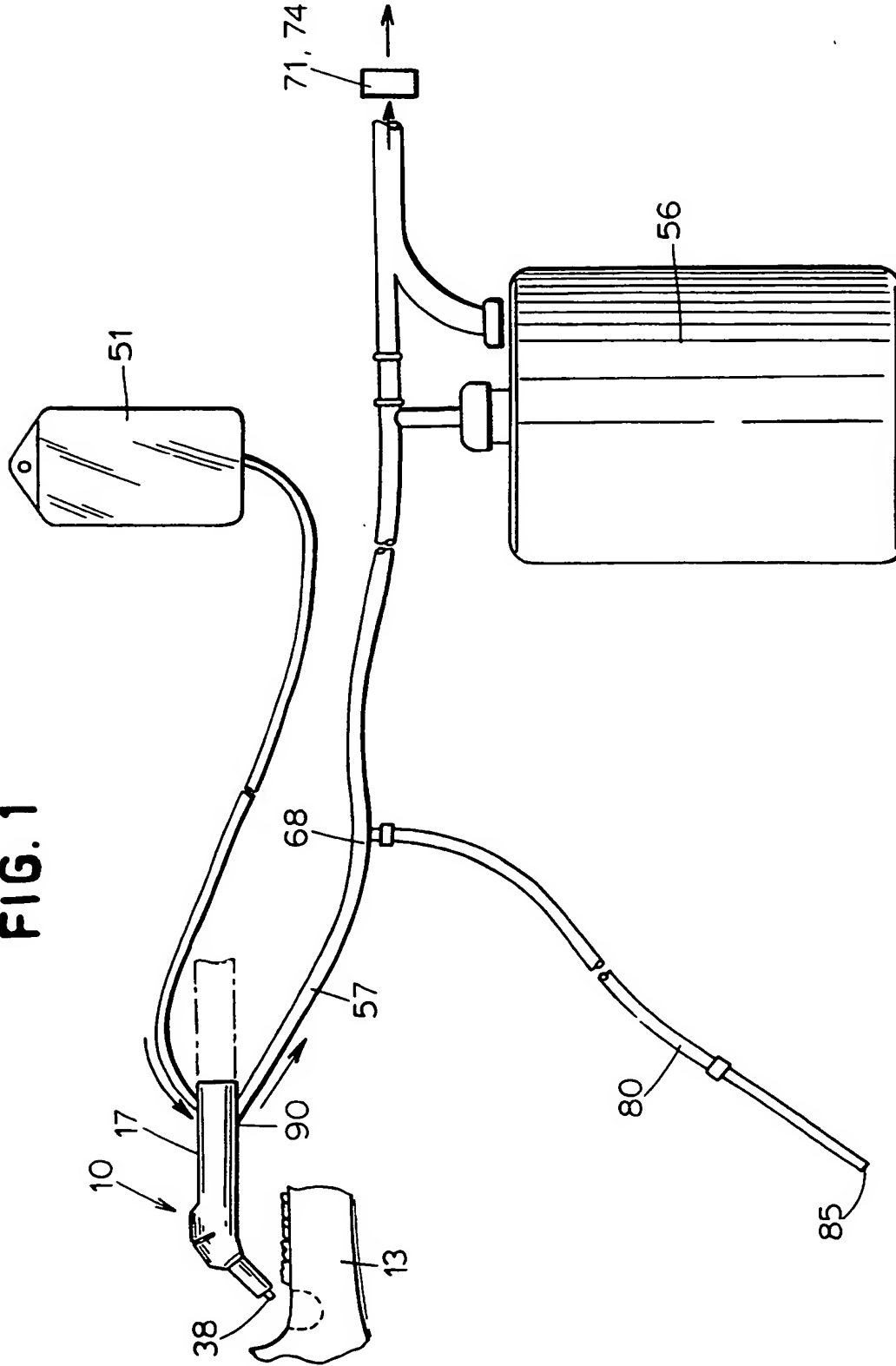


FIG. 1 is a schematic diagram of the apparatus for extracting bone marrow. The apparatus includes a handpiece (10) with a needle (17) for inserting into a bone (13). The handpiece (10) has a handle (38) and a proximal end (90). A tube (57) connects the handpiece to a pump (56) and a reservoir (51). The tube (57) leads to a collection chamber (71, 74). A separate tube (80) is also connected to the main tube (68) and ends in a collection chamber (85). Arrows indicate the flow of bone marrow from the bone (13) through the handpiece (10) and tube (57) into the collection chamber (71, 74).

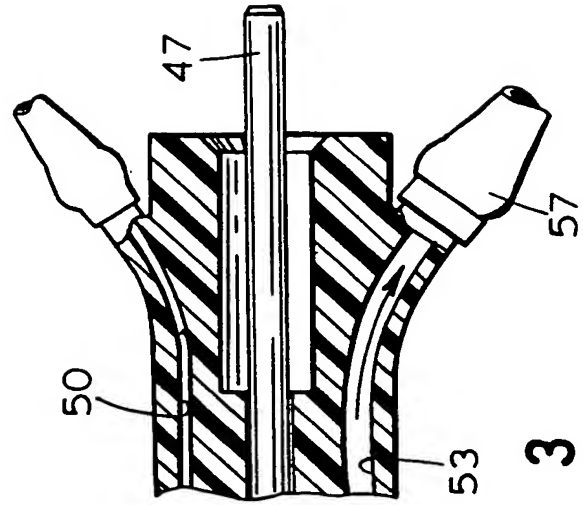
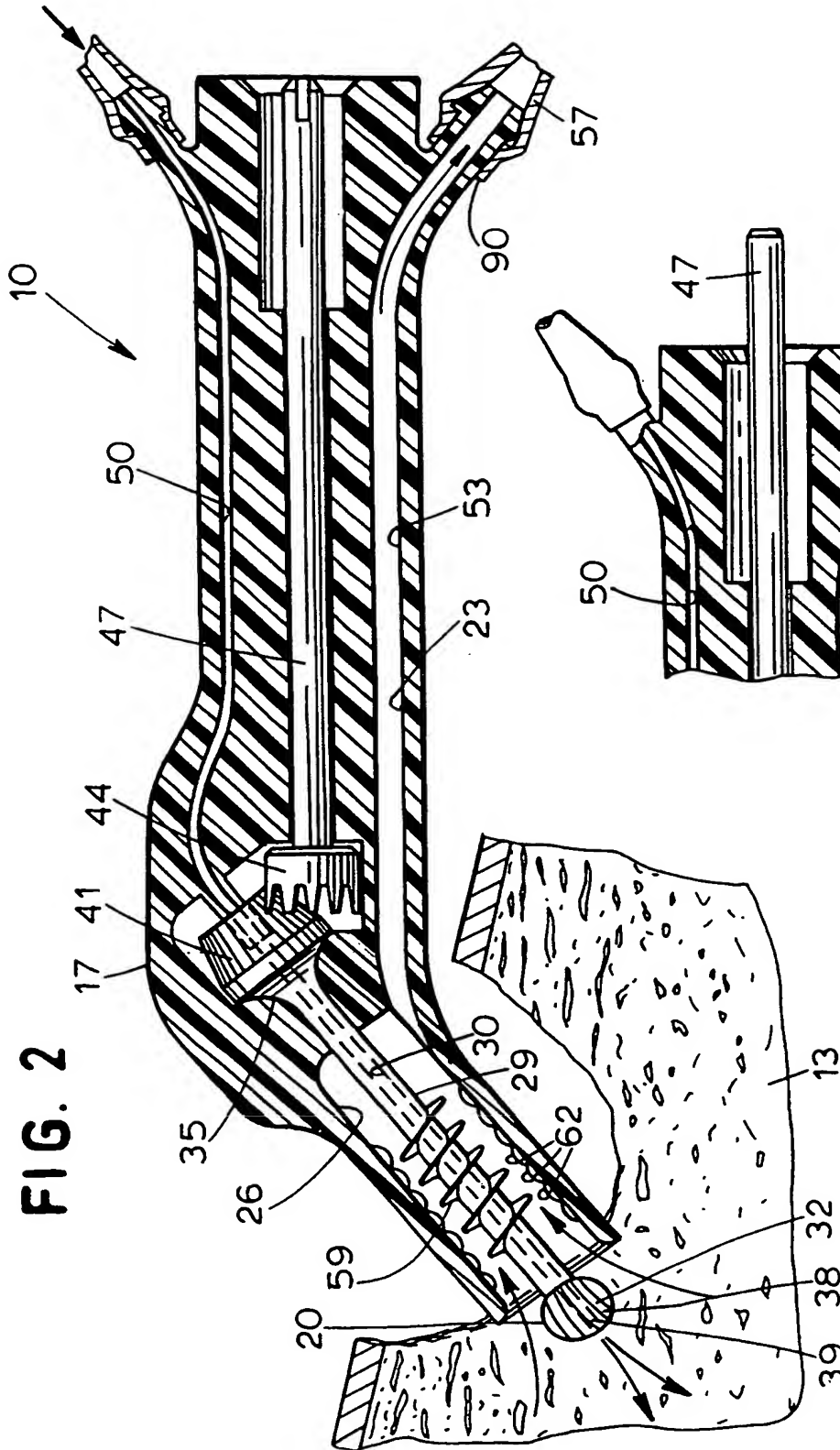


FIG. 3

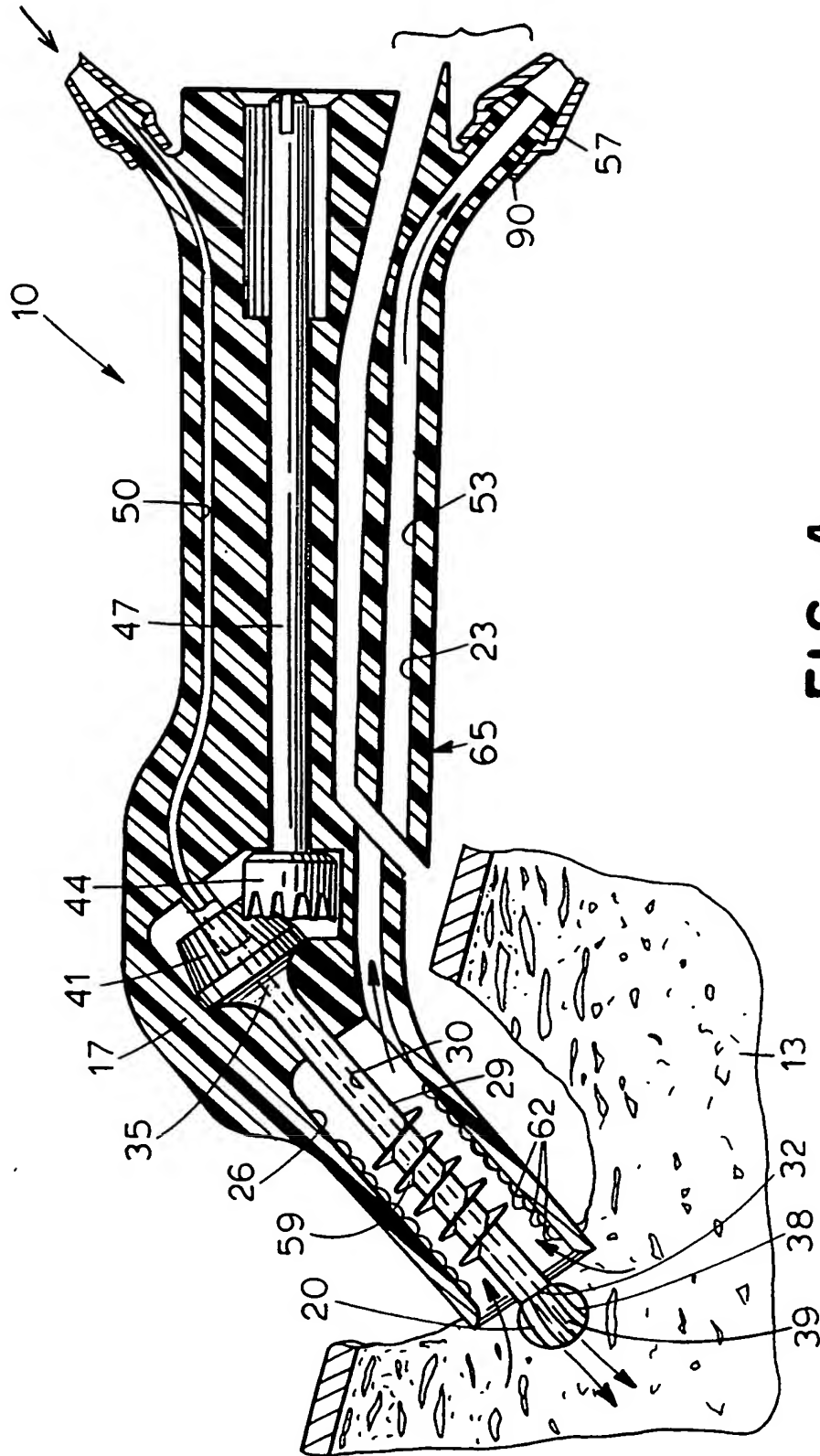


FIG. 4

FIG. 4 is a cross-sectional view of the apparatus.

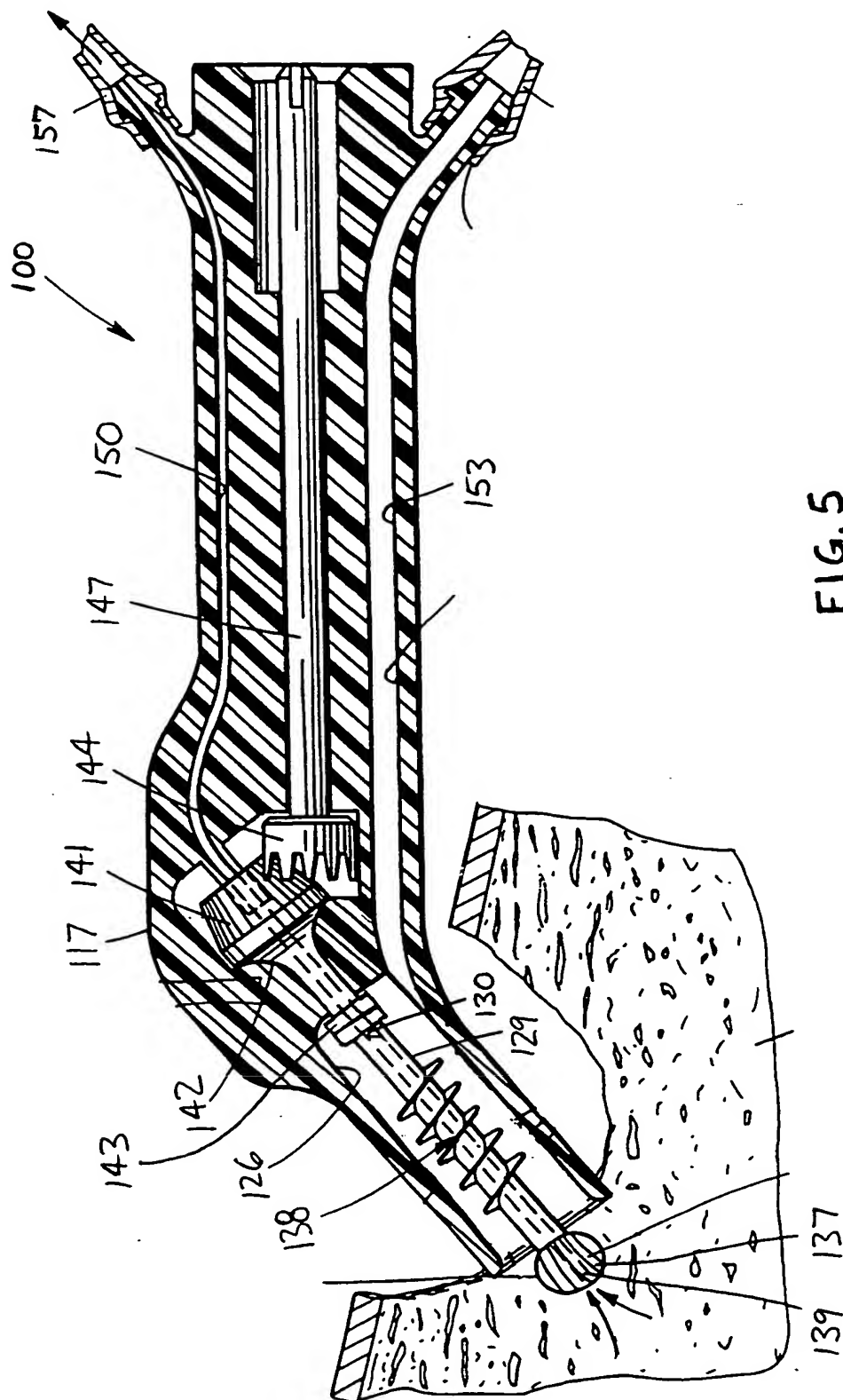


FIG. 5

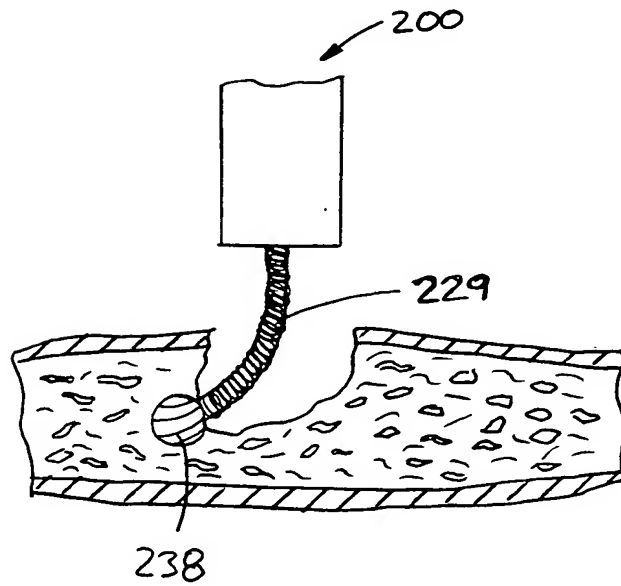


FIG. 6

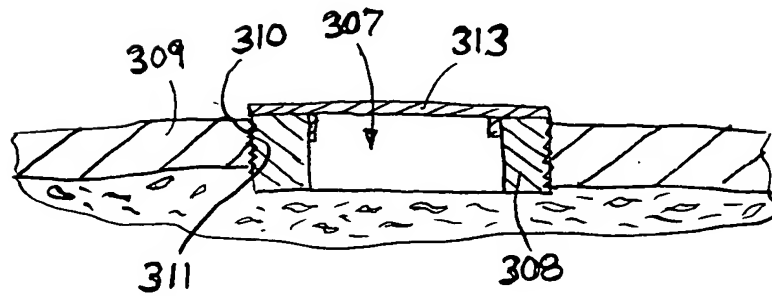


FIG. 8

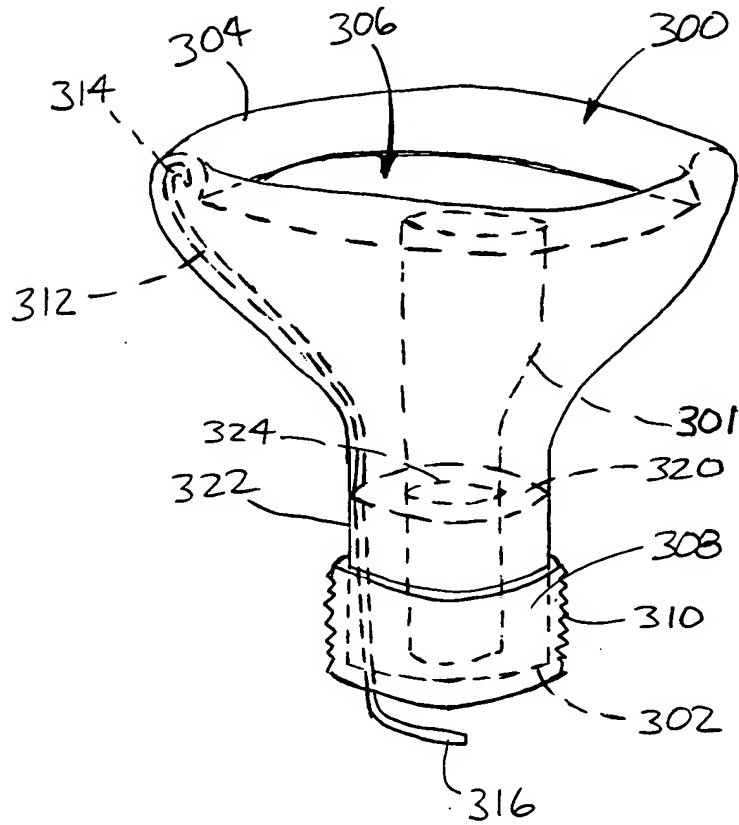


FIG. 7